



GSP MERRIMACK

December 14, 2020

431 River Road
Bow, NH 03304

Submitted on-line via NetDMR

U.S. Environmental Protection Agency
Region 1
Water Compliance Section (Mail Code 04-SMR)
5 Post Office Square - Suite 100
Boston, MA 02109-3912

Reference: NPDES Permit No. NH0001465, Merrimack Station, GSP Merrimack LLC, issued May 22, 2020.

Dear Sir/Madam:

Merrimack Station
Monthly NPDES Discharge Monitoring Report
November 2020

In compliance with Part I, Section B.1., of the NPDES permit (see Reference), Granite Shore Power LLC (GSP) herein submits the NPDES report for Merrimack Station for the month of November. With two exceptions, all sampling and analyses were conducted by station personnel in accordance with EPA approved procedures referenced at 40 CFR Part 136. Eastern Analytical, Inc. of Concord, NH, collected the samples and performed the analyses for 1) total suspended solids and oil and grease at Outfall 003A, and 2) dissolved oxygen at Outfall 003. As instructed by the agencies, GSP now reports a concentration of zero ("0") when the analytical result is less than the method detection limit (MDL). For this report, the following MDL was used: Oil & Grease = 5.0 mg/l (EPA 1664 Rev. B).

The pH at Outfall 003 (Station S-0) dipped below 6.5 SU during most days in the first half of the month. With both units shut down for nearly the entire month, the lack of cooling water flow from the station may have aggravated in-situ monitoring by creating somewhat stagnant conditions at the outfall. Compliance was maintained with the permit however, as the effluent pH tracked the naturally occurring river pH at Station N-5 (see the attached data sheets), and discrepancies were within the analytical limits of the equipment accuracy and precision. As such, these pH values were not the result of activities at Merrimack Station and should not be recorded as violations in the Integrated Compliance Information System, Enforcement and Compliance History Online, or any other EPA compliance database.

December 14, 2020

This report is required by, and prepared specifically for, the U.S. Environmental Protection Agency (EPA). It presents truly, accurately and completely, the observed measurements and analyses required by the EPA to be performed or submitted, but only such observed results. It is not intended as an assertion of the accuracy of any instrument, reading, or analytical result, nor is it an endorsement of the suitability of any analytical or measurement procedure.

If you have any questions regarding this report, please call Allan Palmer, Senior Engineer, at (603) 230-7951.

Sincerely,

GRANITE SHORE POWER

A handwritten signature in cursive script, reading "Elizabeth H. Tillotson". The signature is written in dark ink and is positioned above a horizontal line.

Elizabeth H. Tillotson

Executive Director of Administration & Regulatory Affairs

Enclosures

GSP MERRIMACK LLC
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR November 2020

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/20	6.64	1445	6.63	6.61	0015	96
11/02/20	6.71	1815	6.66	6.60	0715	96
11/03/20	6.73	1845	6.70	6.66	2345	96
11/04/20	6.69	0130	6.68	6.66	0945	96
11/05/20	6.66	0015	6.63	6.60	2045	96
11/06/20	6.61	1715	6.60	6.59	1145	96
11/07/20	6.61	2045	6.61	6.60	0015	96
11/08/20	6.63	2330	6.62	6.61	0915	96
11/09/20	6.64	2400	6.63	6.62	1100	96
11/10/20	6.65	0315	6.63	6.62	1100	96
11/11/20	6.64	0615	6.62	6.60	2330	96
11/12/20	6.63	0815	6.62	6.60	0115	96
11/13/20	6.65	1215	6.63	6.62	0045	96
11/14/20	6.66	2315	6.64	6.63	0045	96
11/15/20	6.70	2315	6.68	6.66	0015	96
11/16/20	6.71	0500	6.70	6.68	1700	96
11/17/20	6.92	0845	6.73	6.70	0215	96
11/18/20	6.75	0800	6.73	6.69	1530	96
11/19/20	6.75	1530	6.74	6.72	0445	96
11/20/20	6.74	1915	6.73	6.71	0715	96
11/21/20	6.75	2200	6.73	6.72	1030	96
11/22/20	6.75	0030	6.74	6.73	1500	96
11/23/20	6.76	0215	6.74	6.72	1830	96
11/24/20	7.05	1200	6.74	6.72	2245	96
11/25/20	6.74	0015	6.72	6.70	0630	96
11/26/20	6.71	0030	6.69	6.67	2045	96
11/27/20	6.69	1330	6.68	6.66	0445	96
11/28/20	6.72	0815	6.71	6.69	0030	96
11/29/20	6.71	0430	6.70	6.69	2045	96
11/30/20	6.70	0430	6.68	6.66	0915	93
AVERAGE	6.71		6.68	6.66		
STD DEV.:	0.09		0.05	0.05		

GSP MERRIMACK LLC
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR November 2020

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
11/01/20	6.48	1800	6.36	6.26	0230	96
11/02/20	6.53	1400	6.46	6.42	0830	96
11/03/20	6.53	1645	6.46	6.39	2400	96
11/04/20	6.52	1830	6.39	6.33	0530	96
11/05/20	6.48	2130	6.44	6.41	1145	96
11/06/20	6.47	1830	6.44	6.42	0630	96
11/07/20	6.45	0030	6.40	6.35	2230	96
11/08/20	6.45	1415	6.41	6.35	0245	96
11/09/20	6.44	2100	6.42	6.39	0545	96
11/10/20	6.50	2115	6.47	6.44	0015	96
11/11/20	6.51	0115	6.48	6.44	0715	96
11/12/20	6.51	1715	6.47	6.41	2300	96
11/13/20	6.48	2400	6.45	6.41	0130	96
11/14/20	6.56	1230	6.51	6.46	0715	96
11/15/20	6.57	2345	6.52	6.47	1130	96
11/16/20	6.62	1900	6.57	6.53	0315	96
11/17/20	7.14	0830	6.60	6.41	2015	96
11/18/20	6.71	1500	6.64	6.55	2400	96
11/19/20	6.60	1545	6.55	6.50	0815	96
11/20/20	6.65	1330	6.62	6.55	0015	96
11/21/20	6.70	1530	6.62	6.54	0900	96
11/22/20	6.64	0030	6.61	6.56	1000	96
11/23/20	6.68	2330	6.64	6.61	0015	96
11/24/20	6.81	1800	6.72	6.66	0800	95
11/25/20	6.76	0815	6.73	6.71	2115	96
11/26/20	6.74	0545	6.68	6.63	2400	96
11/27/20	6.65	2330	6.63	6.62	0700	96
11/28/20	6.68	1245	6.65	6.63	0815	96
11/29/20	6.70	1700	6.67	6.64	0345	96
11/30/20	6.70	1630	6.68	6.62	0345	96
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AVERAGE	6.61		6.54	6.49		
STD DEV.:	0.15		0.11	0.11		